

A2

On page 4, line 7, replace "addition" with -- accentuation--; on line 12, after "predicated" insert --, at least in part,--; on line 13, delete "along with" and "type of"; on line 14, replace "there is also" with --can impart--, after "enhancement" insert --to the audio signal by increasing the amplitude--, and delete "resulting from"; on line 15, delete "the addition" and replace "to" with --in--; on line 16, after "this" insert --potential for--, and replace "undetected" with -- unknown--; on line 17, replace "the" with --any harmonic enhancement from such a--; on line 18, after "low frequencies)" insert --was--, and delete "made such harmonic enhancement"; on line 19, delete "undesirable"; on line 20, after "well known" insert --as being undesirable--, and delete "the"; and on line 21, replace "discovered" with --because its potential for--, and after "enhancement" insert --was--.

B  
C  
D

On page 20, line 23, after "detail." insert - Each of the above described embodiments produce generally the same type of enhancement to an electronic audio signal. Until the present invention, electronic audio signals were not enhanced in this manner. Accordingly, an apparatus for enhancing the quality of an electronic audio signal, according to the principles of the present invention, comprises any circuit operatively adapted for distorting an input audio signal transmitted therethrough into such an enhanced audio signal.

A typical electronic audio signal has a frequency bandwidth with a plurality of frequencies between a low end and a high end in the range of human hearing. The range of human hearing can vary, but it typically ranges between about 20 Hz on the low end and about 20 KHz on the high end. An enhanced audio signal, according to the principles of the present invention, is non-linear with frequencies which increase in amplitude as per increasing frequencies from a desired reference frequency toward

its high end to a high frequency peak. This increasing amplitude as per increasing frequencies occurs over at least a portion of the frequency bandwidth of the enhanced signal. Each of the exemplary circuits described above produce an enhanced audio signal having a reference frequency of about 1 KHz. It is desirable for an enhanced audio signal produced according to the principles of the present invention, such as by the above described exemplary circuits, to be substantially similar in amplitude to that of the input audio signal. It is also desirable for the input audio signal to be additionally distorted such that the frequencies in the enhanced audio signal increase in amplitude as per decreasing frequencies from the reference frequency toward its low end, over at least a portion of the frequency bandwidth.

An enhanced audio signal, according to the present invention, exhibits an improved harmonic quality compared to that of the input electronic audio signal.]--

IN THE CLAIMS

Please amend claims 2, 5, 8-10, 14, 15 and 18 as

follows:

A4  
B13  
2. (Amended) The apparatus of claim [1] 24, said inducing coil being at least one of disposed around said receptor coil, wrapped around and at least partially overlapping said receptor coil, and wrapped around and mostly overlapping said receptor coil.

A5  
B14  
5. (Amended) The apparatus of claim [1] 24, said receptor coil and said inducing coil having a turns ratio [of] from the group of turns ratios consisting of up to about 20:1, greater than about 20:1, and about 17.5:1, respectively.

In claims 8-10, replace "1" with --24--.